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(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 15 February 2001 (15.02.2001)

PCT

(10) International Publication Number WO 01/10739 A3

(51) International Patent Classification?: A61L 9/12 B65D 83/14,

(21) International Application Number: PCT/US00/21911

(22) International Filing Date: 10 August 2000 (10.08.2000)

(25) Filing Language:

English.

(26) Publication Language:

English

(30) Priority Data:

09/371,209 09/609,782

10 August 1999 (10.08.1999) US 5 July 2000 (05.07.2000) US

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(81) Designated States (national): CR, CZ, HU, ID, IL, IN, NO, RU, SG, TR, VN.

Published:

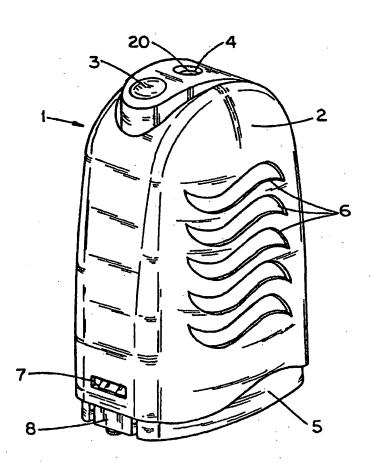
- With international search report.

 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

(88) Date of publication of the international search report:
17 May 2001

[Continued on next page]

(54) Title: DUAL FUNCTION DISPENSER



(57) Abstract: Dual functional dispensers (1), wherein the dispensers (1) comprise dispensing units independently capable of dispensing an actively dispersed spray or an evaporative long term dispersible material, comprise active dispensers in combination with passive dispensers (52) of volatile materials (40). The passive dispenser (52) may comprise the external shell (2) of said dual function dispenser (1), and may be fashioned of a porous ceramic, plastic, or paper material impregnated with an evaporative passively dispersible material (40) selected from the group consisting of fragrances, air fresheners, deodorizers, odor eliminators, malodor counteractants, insecticides, insect repellants, medicinal substances, disinfectants, sanitizers. mood enhancers, and aroma therapy compositions. The actively dispersed material may be the same or different. Refill units (11) for such dispensers may comprise a spray can (18) and associated control means (4), and an evaporative dispenser of dispersible material, provided either separately or as an integral unit.

WO 01/10739 A3

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

intern. Jnal Application No PCT/US 00/21911

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65D83/14 A61L9/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61L B65D A63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re-	levant passages	Relevant to claim No.
X	US 3 972 473 A (HARRISON THOMAS : 3 August 1976 (1976-08-03) cited in the application column 1, line 6 - line 65 column 2, line 67 -column 3, line figures 1-6		1-19, 21-38
Y			20,39
Y	US 5 567 073 A (DE LAFORCADE VIN AL) 22 October 1996 (1996-10-22) column 2, line 40 - line 53		20
A	column 3, line 32 - line 54; fig	ure 1	1,12,18, 26
X Furt	ner documents are listed in the continuation of box C.	X Patent family members are li	sted in annex.
"A" docume consider filing of the citation of the course which citation of the	tegories of cited documents: ant defining the general state of the art which is not lered to be of particular relevance document but published on or after the international late and which may throw doubts on priority claim(s) or is cited to establish the publication date of another in or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means and the priority date claimed	"T' later document published after the or priority date and not in conflict cited to understand the principle invention "X" document of particular relevance; cannot be considered novel or carnot be considered to involve a document of particular relevance; cannot be considered to involve a document is combined with one of ments, such combination being of in the art. "&" document member of the same page.	with the application but or theory underlying the the claimed invention unnot be considered to be document is taken alone the claimed invention an inventive step when the or more other such docubivious to a person skilled
Date of the actual completion of the international search		Date of mailing of the international search report	
2	8 February 2001	0 8.1	03. 01
Name and r	nailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Scheuer, J	

Intern. July Application No PCT/US 00/21911

C.(Continu	PCT/US 00				
	Blion) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
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Y A		39 12,37,38			
X .	US 4 341 348 A (DEARLING NEAL S) 27 July 1982 (1982-07-27)	1,2, 8-10,12, 13, 15-19, 21, 23-27,			
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Y	1,2,30; figures 1-3	50			
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International application No. PCT/US 00/21911

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)	
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons.	sons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	•
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:	
an enter and noting a morning of the source	
3. Claims Nos.:	a)
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)	
This International Searching Authority found multiple Inventions in this international application, as follows:	
see additional sheet	
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.	
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payme of any additional fee.	nt .
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:	
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on Protest The additional search fees were accompanied by the applicant's process.	mtest
Remark on Protest The additional search fees were accompanied by the applicant's process. X No protest accompanied the payment of additional search fees.	v.vd.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-50

dispenser for independently dispensable materials

2. Claims: 51-53

dual function multiple capacity dispenser comprising means to enhance vaporization

3. Claims: 54-56

dual function capacity dispenser with a shell adapted to hold the dispenser

information on patent family members

Interi nal Application No PCT/US 00/21911

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